

Parlex Technology Roadmap for Laminated Flat Flex Cable (as of 2008)

METRIC	Driver	Standard User	Advanced User	Future	Long Term
Time Frame		Today	Limited Production	1-3 years	≥ 4 years
Key Parameters					
• Conductor pitch (mm)	Portable electronics, automotive infotainment systems	0.5	0.3	0.3	In development
• Margin tracking (mm)	Portable electronics, automotive infotainment systems		± 0.075 on 2.5mm pitch	± 0.075 on <2.5mm pitch	In development
• Environmental (°C)	Automotive, home appliance	80-105°C	105-125°C	≥125°C	In development
• Wire thickness (mm)	Added flexibility for dynamic applications	0.075	0.050	0.025	In development
Functionality & Materials					
• Surface finish	Technology, Customers, Environmental & RoHS	Copper, Tinned copper	Lead-free, RoHS compliance	Gold conductors	In development
• Substrates	Cost, durability, RoHS	Medium flow, low flow PET, PI, PVC	Nomex®, RoHS compliant materials	Alternative adhesive systems	In development
• Assembly	Reliability, durability	PSA & thermal; margin control	PSA & thermal; margin control	Phase out PSA backers	Integrated backer-connector system

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